

## Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the specification:

### Listing of Claims

1. (original): An isolated nucleic acid molecule which encodes a protein which comprises the amino acid sequence as depicted in SEQ ID No. 1.
2. (original): A nucleic acid molecule according to Claim 1 which encodes a protein which only possesses the amino acid sequence as depicted in SEQ ID No. 1.
3. (currently amended): A nucleic acid molecule according to Claim 1 ~~or 2~~ which is a DNA molecule.
4. (original): A nucleic acid molecule according to Claim 3 which comprises a base sequence as depicted in SEQ ID No. 2 or a base sequence which only differs from the sequence as depicted in SEQ ID No. 2 because of the degeneracy of the genetic code.
5. (original): A nucleic acid molecule according to Claim 3 which comprises a base sequence as depicted in SEQ ID No. 3 or a base sequence which only differs from the sequence as depicted in SEQ ID No. 3 because of the degeneracy of the genetic code.
6. (original): A nucleic acid molecule according to Claim 3 which comprises a base sequence as depicted in SEQ ID No. 4 or a base sequence which only differs from the sequence as depicted in SEQ ID No. 4 because of the degeneracy of the genetic code.
7. (currently amended): A nucleic acid molecule according to Claim 3 which only possesses a base sequence which is selected from the group consisting of SEQ ID No. 2, SEQ ID No. 3 and SEQ ID No. 4 group of base sequences or from a base sequence which only differs from one of said sequences because of the degeneracy of the genetic code.
8. (currently amended): A vector which comprises a nucleic acid molecule according to ~~any one of~~ Claims 1 to 7.
9. (original): A vector according to Claim 8 which is suitable for transforming a host cell.
10. (original): A vector according to Claim 9 in which the host cell is a microorganism.
11. (original): A vector according to Claim 10 in which the microorganism is a filamentous fungus.

12. (original): A vector according to Claim 11 in which the filamentous fungus is selected from the group consisting of *Penicillium chrysogenum*, *Penicillium notatum*, *Penicillium brevicompactum*, *Penicillium citrinum*, *Acremonium chrysogenum*, *Aspergillus nidulans*, *Aspergillus niger*, *Aspergillus fumigates*, *Aspergillus ferrous* and *Tolypocladium inflatum*.

13. (original): A vector according to Claim 12 in which the filamentous fungus is *Penicillium chrysogenum*.

14. (currently amended): A host cell which is transformed with a nucleic acid molecule according to ~~any one of Claims 1 to 7 or with a vector according to any one of Claims 8 to 13.~~

15. (original): A host cell according to Claim 14 which is a microorganism.

16. (original): A host cell according to Claim 15 in which the microorganism is a filamentous fungus.

17. (original): A host cell according to Claim 16 in which the filamentous fungus is selected from the group consisting of *Penicillium chrysogenum*, *Penicillium notatum*, *Penicillium brevicompactum*, *Penicillium citrinum*, *Acremonium chrysogenum*, *Aspergillus nidulans*, *Aspergillus niger*, *Aspergillus fumigates*, *Aspergillus ferrous* and *Tolypocladium inflatum*.

18. (original): A host cell according to Claim 17 in which the filamentous fungus is *Penicillium chrysogenum*.

19. (original): A process for producing penicillin which comprises culturing a host cell according to Claim 18 under conditions which are suitable for bringing about the formation of penicillin by the host cell.

20. (original): The process according to Claim 19 in which the penicillin is penicillin G or penicillin V.

21. (currently amended): The process according to Claim 19 ~~or 20~~ which furthermore further comprises the isolation of the penicillin which has been formed.

22. (original): An isolated protein which comprises an amino acid sequence as depicted in SEQ ID No. 1.

23. (original): A protein according to Claim 22 which only possesses the amino acid sequence as depicted in SEQ ID No. 1.

24. (new): A host cell which is transformed with a vector according to Claims 8.